

REMARKS

Claims 1 to 25 are pending.

Drawings

The drawings were objected to for minor informalities.

Applicants submit herein corrected drawing sheets labeled FIGS. 1 and 2, FIGS. 3B and 4, and FIGS. 5 and 6.

In view of the above corrections, applicants respectfully request withdrawal of the objections.

Claim Rejection 35 USC 102

Claims 1-25 have been rejected under 35 USC 102(b) as being anticipated by Kawahara et al. Applicants respectfully submit that the Kawahara reference does not disclose, teach or suggest the claimed invention for the following reasons.

Claim 1 recites:

1. (Original) An apparatus comprising:  
a charge pump having a capacity that is preset to a particular value; and  
**a measuring circuit to measure an actual capacity of the charge pump and to reset the capacity of the charge pump to a value based on the measured capacity.**  
(Emphasis Added)

Applicants submit that the Kawahara reference does not teach or suggest the above bolded features. The office action suggest that the sense and latch circuit in FIG. 1 of the Kawahara reference is equivalent to a measuring circuit as recited in claim 1. Applicants respectfully disagree. The Kawahara reference is silent regarding the function of the sense and latch circuit. Clearly, the sense and latch circuit does not show “a measuring circuit **to measure** an actual capacity of the charge pump and **to reset the capacity of the charge pump** to a value

based on the measured capacity” as recited in claim 1. That is, the sense and latch circuit does not feedback any signal back to the charge pump. Moreover, the Kawahara reference shows in FIG. 6a a structure called a band-gap generator core for receiving an output signal VPR from the charge pump and for providing an output stable reference voltage VRF. However, this structure is not “a measuring circuit **to measure** an actual capacity of the charge pump and **to reset** the capacity of the charge pump to a value based on the measured capacity” as recited in claim 1. Again, this structure does not feedback any type of signal back to the charge pump. Thus, claim 1 is not anticipated by the Kawahara reference for at least this reason.

Claims 2-6 depend from claim 1. Accordingly, claims 2-6 should be allowable for at least the same reasons as claim 1.

Claims 7, 13 and 19 recite a similar feature as the above bolded feature of claim 1. Claims 7, 13, and 19, and respective dependent claims, should be allowable for at least the same reasons as claim 1.

In view of the above remarks, applicants respectfully request withdrawal of the rejections and allowance of the application.

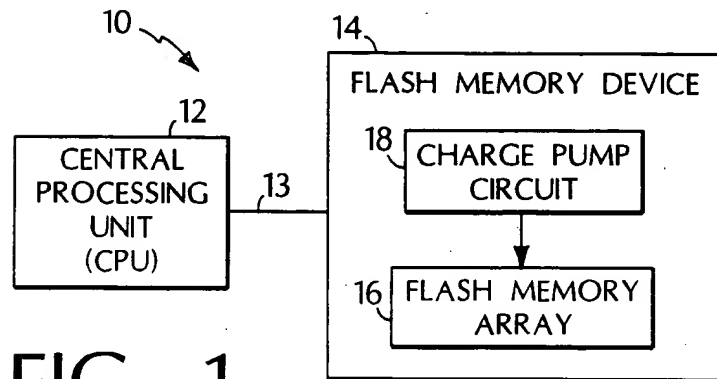


FIG. 1

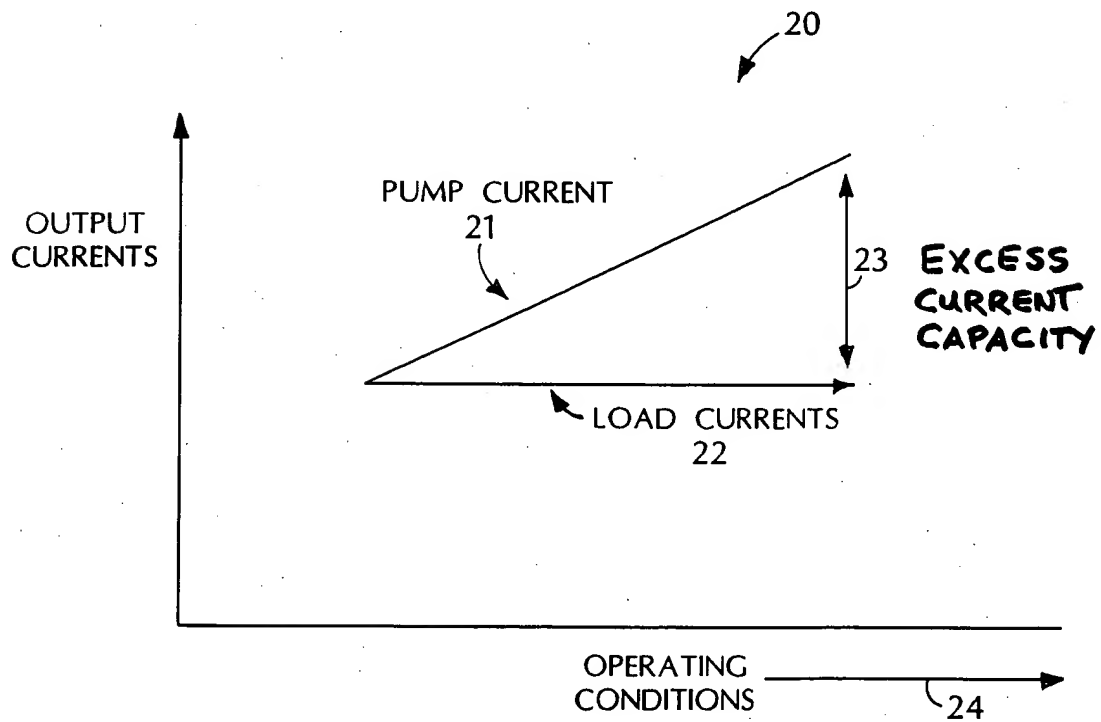


FIG. 2



TABLE: VOLTAGE FOR PROCESSING FLASH DEVICE

	$V_g$	$V_d$	$V_s$
<u>PROGRAM</u>	10	6	0
<u>ERASE</u>	-10	0	FLOAT
<u>READ</u>	5	1	0

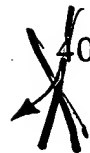
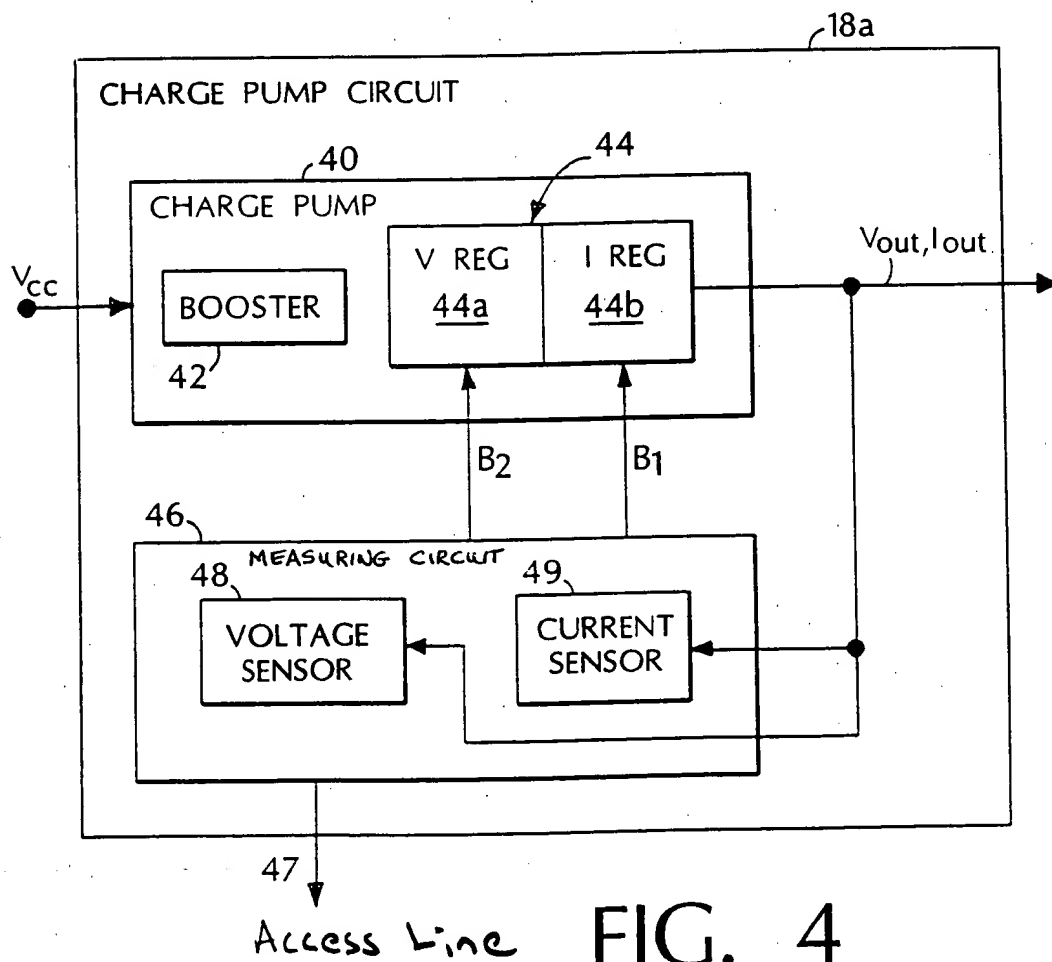


FIG. 3B



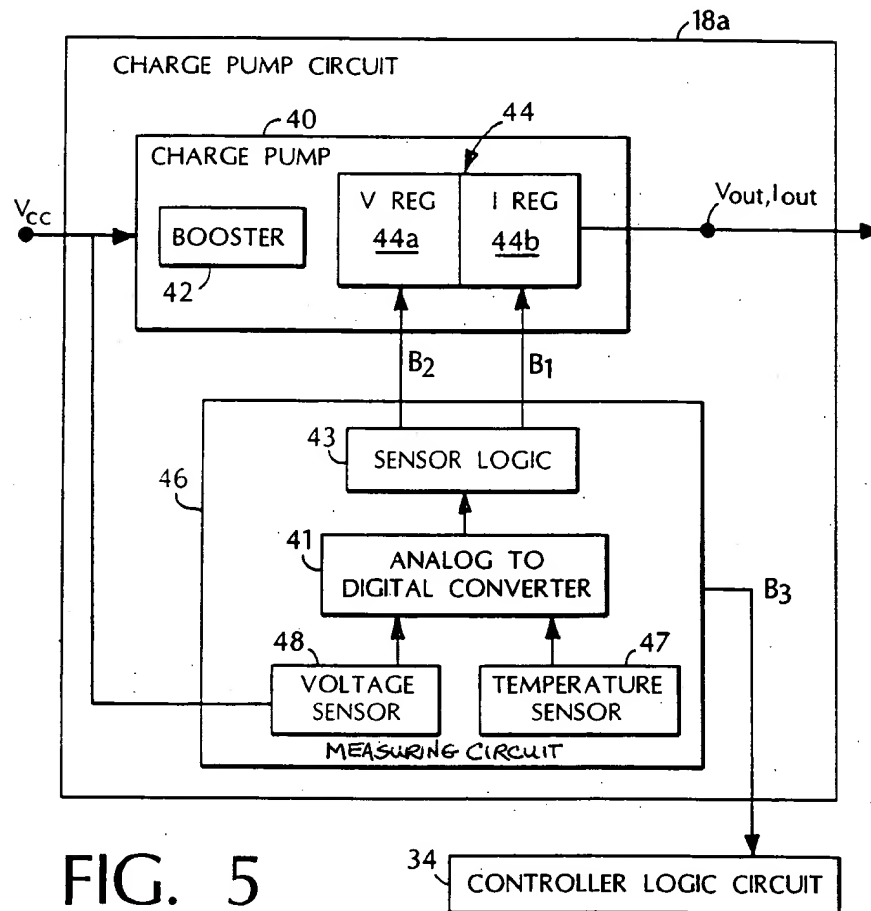


FIG. 5

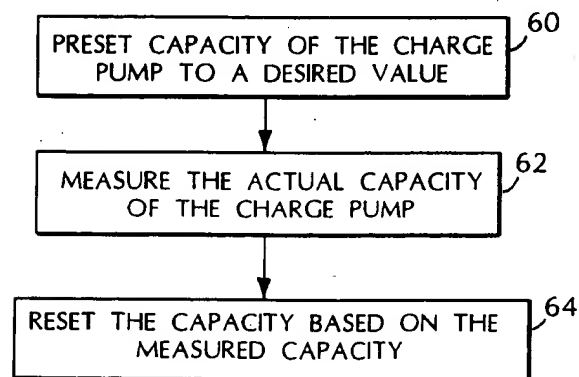


FIG. 6